

## **SAME/DAFT Publications and Presentations**

- “Spacecraft Fire Detection: Smoke Properties and Transport in Low-Gravity,” David Urban, Gary Ruff, John Brooker, Zeng-guang Yuan, Thomas Cleary, George Mulholland, Jiann Yang, 46th Aerospace Sciences Meeting, Reno, Paper AIAA-2008 (2008).
- “Particle and Smoke Detection on ISS for Next Generation Smoke Detectors,” David Urban, Gary Ruff, William Sheredy, Greg Funk, International Space Development Conference 2007, Dallas, TX May 25, 2007.
- “Detection of Smoke from Microgravity Fires,” George W. Mulholland, David Urban, Gary Ruff, Bill Sheredy, Greg Funk, Jiann Yang, Thomas Cleary, Presentation at TSI August 20, 2007.
- “ISS Destiny Laboratory Smoke Detection Model,” John E. Brooker, David L. Urban, and Gary A. Ruff, 07ICES-113, 2007 International Conference on Environmental Systems, Chicago, Ill. July 2007.
- “Moment Method for Estimating Microgravity Smoke Particle Size Parameters,” Thomas Cleary, Claudia Rexfort, George Mulholland, David Urban, Jiann Yang, and Zeng-guang Yuan AAAR meeting Sept 10 2006 St Paul Minn.
- “Detection of Spacecraft Fires in Reduced Gravity,” D. L. Urban, G. A. Ruff, P. S. Greenberg, G. W. Hunter, Habitation 2006, Orlando (February 2006).
- “Detection of Smoke from Microgravity Fires,” David Urban, DeVon Griffin, Gary Ruff, Thomas Cleary, Jiann Yang, George Mulholland, Zeng-guang Yuan, 2005 International Conference on Environmental Systems, Rome Italy, Paper # 2005-01-2930 July 2005, SAE Transactions, pp 375-384.
- “Moment Method for Obtaining Particle Size Measures of Test Smokes,” Cleary, T.G., D W. Weinert, and G.W. Mulholland, 2003., Natl. Inst. Stand. Technol., NISTIR 7050.
- “Metal Coated Rapid Prototype Materials for Spaceflight Applications,” Greg Funk, International Association for the Advancement of Space Safety, May 2007 Conference  
“Metal Coated Rapid Prototype Materials for Spaceflight Applications,” Greg Funk, Aerospace Manufacturing and Design, Summer 2007